



Missouri University of Science and Technology  
**Scholars' Mine**

---

International Symposia on Low Cost Housing  
Problems

Civil, Architectural and Environmental  
Engineering Conferences

---

01 Jan 1972

## Table of Contents

University of Missouri--Rolla

Follow this and additional works at: <https://scholarsmine.mst.edu/islchp>

 Part of the [Civil Engineering Commons](#)

---

### Recommended Citation

University of Missouri--Rolla, "Table of Contents" (1972). *International Symposia on Low Cost Housing Problems*. 119.

<https://scholarsmine.mst.edu/islchp/119>

This Article - Conference proceedings is brought to you for free and open access by Scholars' Mine. It has been accepted for inclusion in International Symposia on Low Cost Housing Problems by an authorized administrator of Scholars' Mine. This work is protected by U. S. Copyright Law. Unauthorized use including reproduction for redistribution requires the permission of the copyright holder. For more information, please contact [scholarsmine@mst.edu](mailto:scholarsmine@mst.edu).

# TABLE OF CONTENTS

ACKNOWLEDGEMENTS. . . . .	vii
PREFACE . . . . .	ix
THE SYSTEMS APPROACH TO LOWER-COST HOUSING . . . . .	1
Kenneth G. Jessop	
HOUSING DESIGN PROCESS AND EKISTICS - A SYSTEMS APPROACH . . . . .	9
Jawalker K. Sridhar Rao	
THE PROCUREMENT PROCESS AND SYSTEM BUILDING FOR HOUSING . . . . .	13
Guy G. Rothenstein	
CONSTRUCTION OF LOW COST HOUSING ON VERY STEEP SLOPES . . . . .	17
Leandro Quintana, Felipe Farias, and Fernando H. Tinoco	
GOAL 26: A GAME FOR HOUSING EDUCATION . . . . .	19
G. Day Ding and Jack R. Warner	
A SUPER-ROOF CONCEPT FOR NEW TOWNS IN EXTREME CLIMATES . . . . .	23
John V. Huddleston	
PUSH-UP: A NEW METHOD FOR BUILDING CAST-IN-PLACE REINFORCED CONCRETE STRUCTURES . . . . .	25
Peter M. Vanderklaauw	
PRECAST CONSTRUCTION OF TALL BUILDINGS UTILIZING THE TENSION-STRUCTURE PRINCIPLE. . . . .	35
Rudolph Szilard and Philip C. French	
STRUCTURAL BEHAVIOR OF WALL PANELS FOR LOWER COST HOUSING . . . . .	39
David W. Fowler, James T. Houston, and F.B. Johnson	
LOWER-COST HOUSING RESEARCH - INTERDISCIPLINARY GRADUATE STUDY PROGRAMS. . . . .	43
Gunter Schmitz	
ECONOMICAL HOUSING THROUGH THE USE OF EXTRUDED PLASTIC BUILDING PROFILES. . . . .	47
George E. Meyers	
ANALYSIS OF WOOD-BASE MATERIALS USED IN SMALL SINGLE FAMILY DWELLINGS PRODUCED BY THREE MANUFACTURED HOUSING SYSTEMS . . . . .	49
Kalevi Turkia and John Haygreen	
PERFORMANCE/COST EVALUATION OF BUILDINGS - AN INFORMATION AID TO DECISION MAKING. . . . .	53
George S. Birrell	
LOWERING THE TRANSPORTATION AND ON SITE LABOUR COSTS - SOME PROPOSALS. . . . .	57
Iraj E. Majzub	
SYSTEM APPROACH TO ANALYSIS OF HOUSING CONSTRUCTION COSTS . . . . .	67
Shlomo Peer	
INTERNATIONAL PROGRAMS OF THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT. . . . .	69
Thomas R. Callaway	
THE PROCESS OF URBAN RENEWAL IN ENGLAND & WALES - A CASE STUDY: PORTSMOUTH (BUCKLAND). . . . .	73
Michael Fagence	
URBAN HOUSING POLICY IN IRAN. . . . .	79
M.T. Jahanshahi	
EXPERIMENTAL LOW COST ARCTIC HOUSING FOR ALASKAN BUSH AREAS . . . . .	85
Terry T. McFadden	
A MECHANIZED CONSTRUCTION TECHNIQUE FOR PRODUCING LOWER COST STRUCTURES . . . . .	91
T. Korman, H.S. Smith, and G.L. Emig	
PRECAST FERROCEMENT SHELLS FOR LOW-COST HOUSING UNITS . . . . .	95
Frank W. Gallant, James H. Lane, Dennis H. Parr, and Victor E. Shirley	
USE OF PRESSURIZED MEMBRANES AS A LOW-COST ERECTION SCHEME FOR CONCRETE STRUCTURES . . . . .	97
John W. Leonard	
MANAGEMENT PLANNING, SCHEDULING AND CONTROL FOR THE CONSTRUCTION OF LOWER COST HOUSING . . . . .	101
Harold Rothbart	
OBSERVATIONS ON SOCIAL AND PSYCHOLOGICAL DETERRENTS TO THE PRODUCTION OF LOW-COST HOUSING IN THE UNITED STATES. . . . .	105
E.A. Chamberlain	

# TABLE OF CONTENTS (Continued)

THE HOUSING COST PROBLEM . . . . .	109
Vasily Kouskoulas and Barbara Burstein	
PSY-CONDITIONING . . . . .	115
Pedro L. Koe-Krompecher	
NEIGHBORHOOD SATISFACTION: A STUDY OF USER ASSESSMENTS OF LOW INCOME RESIDENTIAL ENVIRONMENT . . . . .	119
Henry Sanoff	
AN APPROACH TO IMPROVING THE QUALITY OF LOW COST URBAN HOUSING. . . . .	125
Donald N. Rothblatt	
CODES AND STANDARDS FOR MOBILE HOME COMMUNITIES PAST - PRESENT - AND FUTURE . . . . .	129
Herbert Behrend	
THE TECHNOLOGY AND MANAGEMENT OF MOBILE HOME PRODUCTION . . . . .	133
Arthur D. Bernhardt	
AN HISTORIC SURVEY OF AMERICAN BUILDING CONSTRUCTION SYSTEMS. . . . .	141
Leonard G. Haeger	
RESEARCH IN BUILDING PANEL ASSEMBLIES FOR LOWER COST HOUSING. . . . .	145
Paul P. Fazio	
THE SUPPLY OF HOUSING AS THE COMBINATION OF FACTORS OF PRODUCTION. . . . .	149
Gloria de Sama	
ENGINEERING IMPROVEMENTS IN RECLAIMED MARSHLAND FOR HOUSING PROJECT . . . . .	153
Carl W. Garbe and Kuei-Wu Tsai	
INDUSTRIALIZED LOW COST HOUSING IN MISSOURI A CASE STUDY . . . . .	159
Kenneth P. Buchert	
RISK ANALYSIS OF LOWER COST HOUSING CONSTRUCTION . . . . .	163
Robert I. Carr, Jr.	
TOWARD AN APPROACH FOR RATIONALIZING THE RURAL HOUSING DELIVERY SYSTEM . . . . .	167
Henry Sanoff, King Burgwyn, Michael McNamara, and Terry Alford	
SUSPENDED MODULAR COMPONENT SYSTEM . . . . .	173
Lawrence C. Abell and Conrad P. Heins, Jr.	
SYSTEM DESIGN AND LOW-COST BUILDING SYSTEMS IN DEVELOPING COUNTRIES. . . . .	177
E.H. Mikho and J. Delrue	
APPLICATION OF MODULAR CO-ORDINATION IN LOWER-COST HOUSING . . . . .	185
P. Selvanayagam	
THE CONVERSION OF INTERNATIONAL CARGO CONTAINERS INTO LOWER COST HOUSING - A SOCIALLY DESIGNED HOME. . . . .	189
Ralph E. Williams	
THE SEARS ECO-SYSTEM HOME . . . . .	193
Jack R. Warner and G. Day Ding	
STRUCTURAL MATERIALS AND TESTINGS FOR LOW-COST HOUSING . . . . .	199
Leon Ru-Liang Wang	
PROBLEMS ENCOUNTERED IN THE MANUFACTURE OF MONOLITHIC CONCRETE MODULAR HOUSES. . .	203
W.D. Tiner	
"INDUSTRIALIZED HOUSING: A GOAL!" . . . . .	207
Nitin N. Shah	
THE LOGIC OF A SOLUTION. . . . .	213
A.D. McDonald and F.D. Rich, Jr.	
PARAMETERS AFFECTING CONSTRUCTION TIME IN HOUSING PROJECTS . . . . .	217
Shlomo Peer and Shlomo Selinger	
LOW COST HIGH QUALITY AND HIGH STRENGTH GAP-GRADED CONCRETE FOR URBAN RENEWAL HOUSING CONSTRUCTION . . . . .	221
Shu-t'ien Li and V. Ramakrishnan	
ELECTRICAL WIRING FOR LOWER-COST HOUSING . . . . .	225
Burns E. Hegler	
LOW COST HOUSING IS NOT LOW STANDARD HOUSING . . . . .	227
N.K. Gandhi	

# TABLE OF CONTENTS (Continued)

COMMUNICATING HOUSING NEEDS AND STRATEGIES. . . . .	231
Bruce Yandle and Herbert Busching	
A MEANS OF RATIONAL COMPARISON BETWEEN VARIOUS TYPES OF LOWER COST HOUSING WITH SPECIAL REFERENCE TO THE EFFECT OF BUILDING CODES THEREON. . . . .	235
George S. Birrell	
SOCIO-PSYCHOLOGICAL CONSIDERATIONS IN HOUSING FOR THE LOW INCOME GROUP . . . . .	239
Dinesh Mohan, Rajinder Lal, and A. Deb	
HOW TO LOWER THE COST OF HOUSING? . . . . .	245
Lynn Hannley	
NEW METHODS TO OVERCOME ZONING RESTRICTIONS AGAINST TRANSPORTABLE HOUSING . . . . .	251
James Jay Brown	
LABOR-REQUIREMENT AND -COST COMPARISON OF CONSTRUCTION METHODS FOR LOWER-COST HOUSING. . . . .	255
Shlomo Peer	
HOUSING FUNCTIONS: SHELTER AND ENVIRONMENT . . . . .	259
Michael J. Burrill	
EFFICIENCY OF PLANNING OF HOUSING SYSTEMS . . . . .	267
P. Purushothaman, Jawalker K. Sridhar Rao, and K.S. Mathur	
CONSTRUCTION METHODS FOR LOW COST HOUSING IN INDIA . . . . .	271
Velayudhan Raveendran and Madasamy Arockiasamy	
LAND BANK PROJECT: COMPUTER SIMULATION OF A LAND BANK TO PROVIDE SITES FOR HOUSING FOR LOW INCOME FAMILIES . . . . .	277
Carol Van Alstyne and Peter Sorant	
SOME INNOVATE HOUSING UNITS . . . . .	281
Sidney Shore and Jack R. Vinson	
A PROPOSED PERFORMANCE STANDARD FOR LOWER-COST HOUSING IN THE UNITED STATES DERIVED FROM LIFE CYCLE ANALYSIS OF PRESENT HOUSING PRACTICE . . . . .	285
James H. Davis	
SYMPOSIUM COMMITTEES . . . . .	289
AUTHOR INDEX . . . . .	290